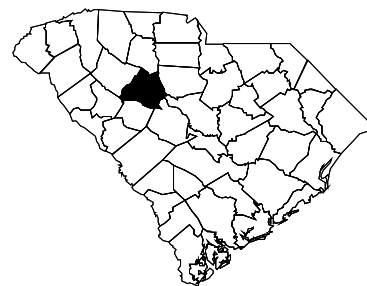


# IMPACT OF CHRONIC CONDITIONS NEWBERRY County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Newberry county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Newberry county's population is similar to the state population. The majority (37%) of the population in Newberry county are between the ages of 18-44, and there are more females (51%) than males (49%). However, Newberry county has a higher minority population (33%) than the state (31%). Newberry's elderly population (14%) is slightly higher than the state's (12%). When adults in DHEC's Region 3, which includes Newberry County, were asked about their general health status, 85.5% reported having excellent, very good, or good health in 2005 (SC was

	NEWBERRY COUNTY	STATE
<b>Population size</b>	37,250	4,255,083
<b>Age distribution (%)</b>		
<18	23	24
18-44	37	38
45-64	25	25
65-84	12	11
85+	2	2
<b>Race (%)</b>		
White	67	69
Black & Other	33	31
<b>Sex (%)</b>		
Male	49	49
Female	51	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Newberry County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	22	22
Sedentary lifestyle	23	26
Overweight	63	65
High Cholesterol	28	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

<b>HYPERTENSION AND HYPERTENSIVE DISEASE</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	51	.	.	.	.	31.7
Number of hospitalizations	48	35	11	20	28	5,032
Crude rate of hospitalizations (per 100,000)	129	287	44	109	148	118
Median age of hospitalized patients	57	57	52	52	67	57
Total cost of hospitalization (\$)	737,400	623,300	114,100	284,500	452,900	109,400,500
Average length of hospital stay (days)	3	4	2	3	4	5
Number of ED visits	26	21	4	13	13	7,466
Crude rate of ED visits (per 100,000)	70	172	16	71	69	175
Median age of ED patients	52	47	70	47	57	52
Total cost of ED visits (\$)	51,800	46,100	5,700	32,200	19,600	9,929,000
Number of deaths**	8	2	6	1	7	423
Age-Adjusted Death rate (per 100,000)**	17	16	17	6	23	10

<b>DISEASES OF THE HEART</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.6	.	.	.	.	4.1
Number of hospitalizations	686	166	497	378	308	60,901
Crude rate of hospitalizations (per 100,000)	1,842	1,363	1,983	2,067	1,624	1,431
Median age of hospitalized patients	67	62	72	67	72	67
Total cost of hospitalization (\$)	21,596,900	4,735,100	16,861,800	12,900,700	8,696,200	2,286,836,400
Average length of hospital stay (days)	5	4	5	5	5	5
Number of ED visits	71	27	42	33	38	12,989
Crude rate of ED visits (per 100,000)	191	222	168	180	200	305
Median age of ED patients	57	52	62	57	62	62
Total cost of ED visits (\$)	226,900	86,400	140,500	110,300	116,600	42,115,900
Number of deaths**	91	29	62	53	38	9,328
Age-Adjusted Death rate (per 100,000)**	208	307	181	317	133	218

<b>STROKE</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	2.9	.	.	.	.	3
Number of hospitalizations	138	51	82	63	75	13,925
Crude rate of hospitalizations (per 100,000)	370	419	327	344	396	327
Median age of hospitalized patients	72	67	72	67	72	72
Total cost of hospitalization (\$)	2,938,300	1,318,200	1,620,100	1,501,800	1,436,500	384,441,600
Average length of hospital stay (days)	5	7	4	5	6	6
Number of ED visits	11	4	7	7	4	2,515
Crude rate of ED visits (per 100,000)	30	33	28	38	21	59
Median age of ED patients	62	70	62	82	57	67
Total cost of ED visits (\$)	33,000	13,900	19,100	26,700	6,300	9,113,000
Number of deaths**	27	12	15	13	14	2,440
Age-Adjusted Death rate (per 100,000)**	60	134	41	75	49	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	178	62	103	82	96	15,753
Crude rate of hospitalizations (per 100,000)	478	509	411	448	506	370
Median age of hospitalized patients	57	42	67	52	60	62
Total cost of hospitalization (\$)	1,970,200	599,400	1,370,800	912,300	1,057,900	268,425,300
Average length of hospital stay (days)	4	3	4	3	4	5
Number of ED visits	153	88	62	74	79	36,543
Crude rate of ED visits (per 100,000)	411	722	247	405	417	859
Median age of ED patients	32	27	37	22	32	37
Total cost of ED visits (\$)	191,300	98,100	93,200	96,000	95,300	40,613,700
Number of deaths**	22	6	16	11	11	1,968
Age-Adjusted Death rate (per 100,000)**	50	50	47	65	42	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	9.8	.	.	.	.	10.3
Number of hospitalizations	100	50	49	50	50	9,027
Crude rate of hospitalizations (per 100,000)	268	410	195	273	264	212
Median age of hospitalized patients	57	60	52	52	57	52
Total cost of hospitalization (\$)	1,800,700	871,900	928,800	875,200	925,500	179,747,700
Average length of hospital stay (days)	5	5	5	5	5	6
Number of ED visits	42	21	21	20	22	9,603
Crude rate of ED visits (per 100,000)	113	172	84	109	116	226
Median age of ED patients	52	52	57	62	47	52
Total cost of ED visits (\$)	60,600	28,000	32,600	25,200	35,400	13,447,300
Number of deaths**	22	9	13	11	11	1,183
Age-Adjusted Death rate (per 100,000)**	49	91	37	68	41	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	148	43	102	79	69	16,389
Crude rate of hospitalizations (per 100,000)	397	353	407	432	364	385
Median age of hospitalized patients	67	62	67	67	67	62
Total cost of hospitalization (\$)	6,291,500	2,464,400	3,827,100	3,265,800	3,025,700	664,309,500
Average length of hospital stay (days)	8	12	7	9	8	8
Number of deaths**	77	21	55	41	36	8,617
Age-Adjusted Death rate (per 100,000)**	174	195	161	225	136	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	9	2	5	5	4	2,070
Crude rate of hospitalizations (per 100,000)	24	16	20	27	21	49
Median age of hospitalized patients	82	70	85	57	85	67
Total cost of hospitalization (\$)	334,200	171,800	162,400	162,900	171,300	101,377,700
Average length of hospital stay (days)	12	15	10	9	14	10
Number of deaths**	9	3	6	4	5	812
Age-Adjusted Death rate (per 100,000)**	20	35	17	23	18	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	15	1	14	-	15	1,228
Crude rate of hospitalizations (per 100,000)	79	16	110	-	153	56
Median age of hospitalized patients	57	37	57	-	57	62
Total cost of hospitalization (\$)	257,100	12,700	244,400	-	257,100	26,163,000
Average length of hospital stay (days)	1	2	1	-	1	3
Number of deaths**	2	-	2	-	2	651
Age-Adjusted Death rate (per 100,000)**	8	-	11	-	8	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	-	-	-	-	-	192
Crude rate of hospitalizations (per 100,000)	-	-	-	-	-	9
Median age of hospitalized patients	-	-	-	-	-	47
Total cost of hospitalization (\$)	-	-	-	-	-	4,668,500
Average length of hospital stay (days)	-	-	-	-	-	4
Number of deaths**	-	-	-	-	-	63
Age-Adjusted Death rate (per 100,000)**	-	-	-	-	-	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	21	8	13	11	10	2,181
Crude rate of hospitalizations (per 100,000)	56	66	52	60	53	51
Median age of hospitalized patients	67	60	72	67	70	67
Total cost of hospitalization (\$)	698,700	400,700	298,000	277,600	421,100	92,775,300
Average length of hospital stay (days)	8	11	6	8	8	9
Number of deaths**	21	5	16	11	10	2,703
Age-Adjusted Death rate (per 100,000)**	49	45	47	60	40	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	12	5	7	12	-	1,209
Crude rate of hospitalizations (per 100,000)	66	84	57	72	-	58
Median age of hospitalized patients	67	67	72	67	-	62
Total cost of hospitalization (\$)	279,000	138,700	140,300	279,000	-	30,356,600
Average length of hospital stay (days)	5	7	4	5	-	4
Number of deaths**	3	-	3	3	-	460
Age-Adjusted Death rate (per 100,000)**	18	-	22	18	-	30

\*Prevalence estimates at regional level

\*\*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

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